

1. Case arterial gas embolism → **stagnant hypoxia**
2. Cyanoid poisoning → **histotoxic hypoxia**
3. Co → **hypemic hypoxia** ... **هيموجلوبين يتنقل**
4. Skip breathing → **increase co2**
5. Hyperventilation → hypocapnia - decrease co2 -hypoxia → shallow water blackout →
العلاج □ **body skills + ascent**
6. Co poisoning *cherry red* → drug of choice **1-O2 ... 2-hyperbaric**
7. Hypothermia → **chilling** *IMPORTANT*
العلاج □ **alcohol** أكثر سبب له
8. 27°C → **ventricular fibrillation**
33°C → **hallucination**
35°C → **chilling**
9. Hypothermia → نقص **O2 consuming**
العلاج □ **active EMS**
10. Loss of grasp = dexterity → **terminate diving**
11. How to improve cold tolerance → slide down in cold water on regular basis
12. Heat cramps → **sudden unconsciousness**
13. Hypovolemia → **exhausting heat**
14. Heat stroke → **permanent damage brain**
15. Near drowning → **alcohol + arterial gas embolism**
→ stagnant hypoxia
16. Hypothermia → **shallow black water**
The major pathophysiology near drowning case of death → **hypoxemia**
18. Laryngospasm → no aspirate → pulmonary edema
negative pressure
العلاج □ **diuretics** *IMPORTANT*
19. شرب ماء □ GIT distension
العلاج □ **nasogastric tube**
salt water → **infiltration**
fresh water → **artificial surfactant**
20. Metabolic acidosis → **يقاوم struggling**
العلاج □ **high level of bicarbonate**

21. Neurological intact → good prognosis طلع كويس
22. Positive and respiratory pressure → يعالج **pulmonary edema** مفتوحه alveoli ☐ بيخلي →
23. امتي antibiotic ☐ تستخدم ال
24. Increase left atrium pressure → ischemia OR احسب ☐ fluid overload (72-69-68)
25. Bronchoscopy → gravel sand لو بلغ رمل
26. Acclimitation
.hyperthermia → aldosterone
.hypothermia → thermogenin
27. Above 40.8 °C → convulsions - coma
28. Immersion غمر الماء ☐ remove effect of gravity
29. Cold → no peripheral blood الدم ميش هيروح للأطراف
Antibiotic → febrile - new pulmonary infiltrate - plurent secretion
31. Steroid → don't improve long term outcome
32. Extracorporeal membrane oxygenation → بتعالج ☐
pulmonary injury → نتيجته ☐ near browning
33. Increase CO2 → the production > elimination → فتعمل
hypercapnia *snorkeling*